

ABSTRACT OF THE DISCLOSURE

Provided is an electron-emitting device with high electron emission efficiency and with stable electron emission characteristics over a long period.

5 The electron-emitting device has a substrate, first and second carbon films laid with a first gap in between on the surface of the substrate, and first and second electrodes electrically connected to the first carbon film and to the second carbon film, respectively. In
10 the electron-emitting device, a narrowest gap portion between the first carbon film and the second carbon film in the first gap is located above a surface of the substrate and the substrate has a depressed portion, at least, in the first gap.

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